

# Silwet\* 408

Spray Adjuvant to control Weeds on Maize



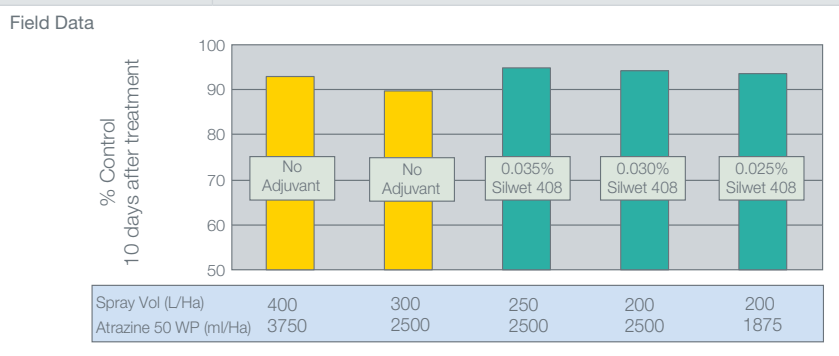
## Application

India produces 10.3 million tons of Maize per year and is the 5th largest producer in the world. *Echinochloa Crusgalli* and *Chenopodium Album* are the most widespread weeds in Maize fields, causing important productivity losses. To ensure high crop yields and better quality, growers treat maize crops with broad-spectrum herbicides such as Atrazine.

Momentive's **Silwet 408** spray adjuvant is a superspreader used to enhance the spray coverage and the uptake of the pesticide even at significantly lower spray volumes. To demonstrate its specific benefits, Silwet 408 spray adjuvant was trialled with Atrazine 50 WP treatments on Maize.

## Field Trials

Location	Mukerian, Punjab, India
Crop	Maize
Herbicide	Atrazine 50 WP (Pesticide Rates: 3750 g/Ha; 2500 g/Ha; 1875 g/Ha)
Weeds	<i>Echinochloa Crusgalli</i> , <i>Chenopodium Album</i>
Spray Adjuvant	Silwet 408 (Adjuvant Rates: 0.035%; 0.030%; 0.025%)
Application	Tank-mix (Spray Rates: 400 L/Ha; 300 L/Ha; 250 L/Ha; 200 L/Ha)



Note: Test data. Actual results may vary.

## Results

Field trials demonstrated the following benefits from Silwet 408 spray adjuvant addition to Atrazine 50 WP sprayed on maize:

- 95% control of weeds with Silwet 408 spray adjuvant after 10 days treatment versus 92% control with no adjuvant
- 50% spray volume reduction, resulting to lower application costs
- 50% lower Atrazine 50 WP pesticide dose rates

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